

MT**PRAQLLPL** **LLATYTVVAA** AVTSDEPTKT LSPAT**GDATL** AFVFDVTGSM WDDLMQVIDG
ASRILERSLS SRSRVIANYA LVPFHDPDIG PVTLTADPVV FQRELRLQLYV QGGGDCPEMS
VG**AIKAAEV** **ANPGSFIYVF** **SDA**RAKDYHK KNELLQLLQL KQSQVVFVLT GDCGDRTHPG
YLAFEEIAST SSGQVFQLDK QQVSEVLKWV ESAIQASKVH LLSADHEEEG EHTWRIPFDP
SLKEVTISLS GPGPEIEVRD PLGMSQGSPP LLMQD

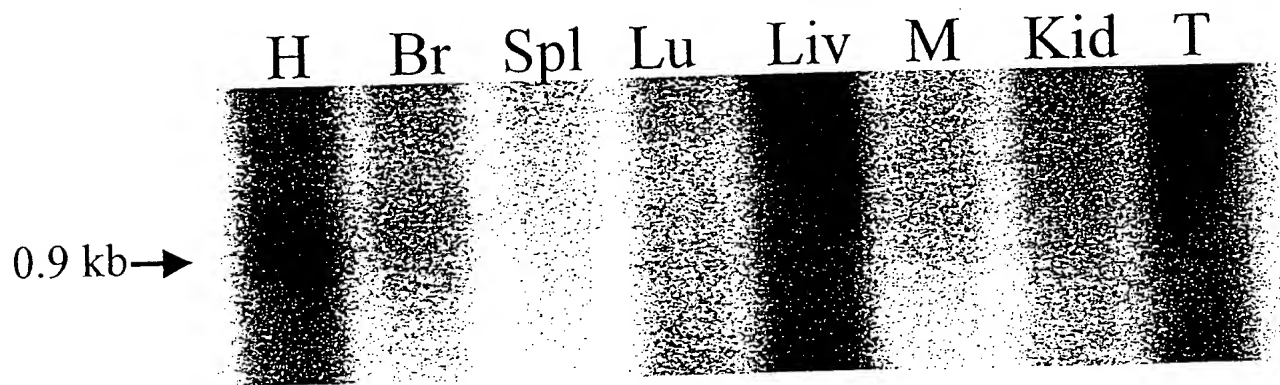
FIG. 1

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TCTAGCGAACCCCTTCGGCCCGCTCGAGACTGCACTGCCATCTATCCCTGCCACCTGCGCGT TAGGGCTGCAGCCTCCGGC 90
AGATCGCTTGGGGAAGCCGGCGGATCTCGCTCTGACGTGACGGTAGATAGGGACGCTGGACGCGCAGGGTAATCCCCGACGTGCGAGGCCG
L R T P S A R S E T A L P S I P A T C A S H G C S L R
TCAGCATGACGCTAGGGCGCAGCTCTCGCGTGCTCTGGCGACCTACACAGTAGTGGCGGGCGGGTACATCTGATGAGCCACGA 180
AGTCGTA CTGCGGATCCGCGCTCGAGGACGGGACGAGGACCGCTGGATGTGTCATACCGCCGCCCGCAGTGTAGACTACTCGGGTGT
L S (H) T P R A O L L P L L L A T Y T V V A A A V T S D E P T
AGACGCTGTCCCCCGCCACAGGAGACGCCACCCTGGCCTTCGTCTTCGATGTACCGGCTCCATGTGGGACGATCTGATGCAGGTGATCG 270
TCTGCGACAGGGGGGCTGTCTCTGCGGTGGGACCGGAAGCAGAAGTACAGTGGCCGAGGTACACCTGCTAGACTACGTCCACTAGC
K T L S P A T G D A T L A F V F D V T G S M W D D L H O V I
ACGGCGCTCACGCATTCTGGAGCGCAGTCTGAGCAGCCGAGCCGGTTCATGCCAACTATGCGCTGGTGCCCTTCCACGACCCAGACA 360
TGCCCGGAGTGCCTAAGACCTCGCGTCAGACTCGTCGGCGTCGGCCAGTAGCGGTTGATACGCGACCACGGAAGGTCTGGGTCTGT
D G A S R I L E R S L S S R S R V I A N Y A L V P F H D P D
TTGGCCAGTGACCCTCACGGCGGACCCAGTGGTGTTCAGAGAGAGCTGAGACAACCTATGTTTCAGGGAGGTGGTACTGCCAGAAA 450
AACC GGTCAGTGGGAGTGGCGCTGGGTACCCACAAAGTCTCTCTGACTCTGTTGAGATACAAGTCCCTCCACCACTGACGGGTCTT
I G P V T L T A D P V V F O R E L R O L Y V O G G G D C P E
TGAGTGTGGGGGCCATCAAGGTGCGCTGGAGGTGCCAACCCCGGCTCCTTCATCTACGTCTTCTCGGATGCCCGTGCCAAGGACTACC 540
ACTCACACCCCGGTAGTTCGACGGCACCTCCAACGGTTGGGGCCAGGAAGTAGATGCAGAAGAGCCTACGGGCACGGTCTCTGATGG
H S V G A I K A A V E V A N P G S F I Y V F S D A R A K D Y
ACAAGAAGATGAGCTCTGCGAGCTCTGCGAGCTGAAGCAGTCCGAGGTGGTCTTCGTGCTGACTGGGGACTGCGGTGACCGCACCCACC 630
TGTTCTTCTACTCGAGGACGTCGAGGACGTCGACTTCGTACGCGTCCACCAGAAGCAGCACTGACCCCTGACGCCACTGGCGTGGGTGG
H K K N E L L O L L O L K O S O V V F V L T G D C G D R T H
CTGGCTACCTGGCTTTTGAGGAGATCGCTCCACCAGTCTGGCCAAGTGTTCAGCTGGACAAGCAGCAGGTGTGCGAGGTGTTAAAGT 720
GACCGATGGACCGAAAACCTCTAGCGGAGGTGGTCAAGACCGGTTCAAGGTGACCTGTTGCTGCTCCACAGCTCCACAATTCA
P G Y L A F E E I A S T S S G O V F O L D K O O V S E V L K
GGGTGGAGTCCGCATCCAGGCTCCAAAGTTCATCTGCTGTCAGCAGACCAGGAGGAGGGGCAACACATGGAGAATCCCTTTTG 810
CCCACCTCAGCGGTAGGTCCGAGGTTTCAAGTAGACGACGTGCTGCTGGTCTCTCTCCGCTTGTGTGACCTCTTAGGGAAAAC
W V E S A I O A S K V H L L S A D H E E E G E H T W R I P F
ACCCAGCTTGAAGGAAGTCAACATCTCACTGAGCGGGCAGGGCTGAGATCGAAGTCCGGGACCACTGGGTATGTCCAGGGTTCAC 900
TGGGGTCGAACCTCTTCAGTGGTAGAGTACTCGCCCGGTCCCGACTCTAGCTTCAGGCCCTGGGTGACCCATACAGGTCCCAAGT
D P S L K E V T I S L S G P G P E I E V R D P L G M S O G S
CTCCTCTCTGATGCAAGACTGAGCTGGAAGGCCAGGCTGAGGCGATGGAAGGAGGGGCTGAGGAGATGGCTCAGCCAATAAAATGCT 990
GAGGAGAAGACTACGTCTGACTCGACCTTCCGGTCCGACTCCGCTACCTTCTCCCGGACTCTCTACCGAGTCGGTTATTTTACAGA
P P L L M O D A G R P G G D G R R G L R R W L S O N V
GCCTCACACAAAAAAGCCCGGCTCGAGCGGCCG 1031
CGGAGTGTGTTTTTTTTTTTTCGGGCCGAGCTCGCCGGC
C L T O K K K K P G S S G R

Fig. 2

Rat Multiple Tissue Northern Blot



Probe: P00210_D09 rat cDNA

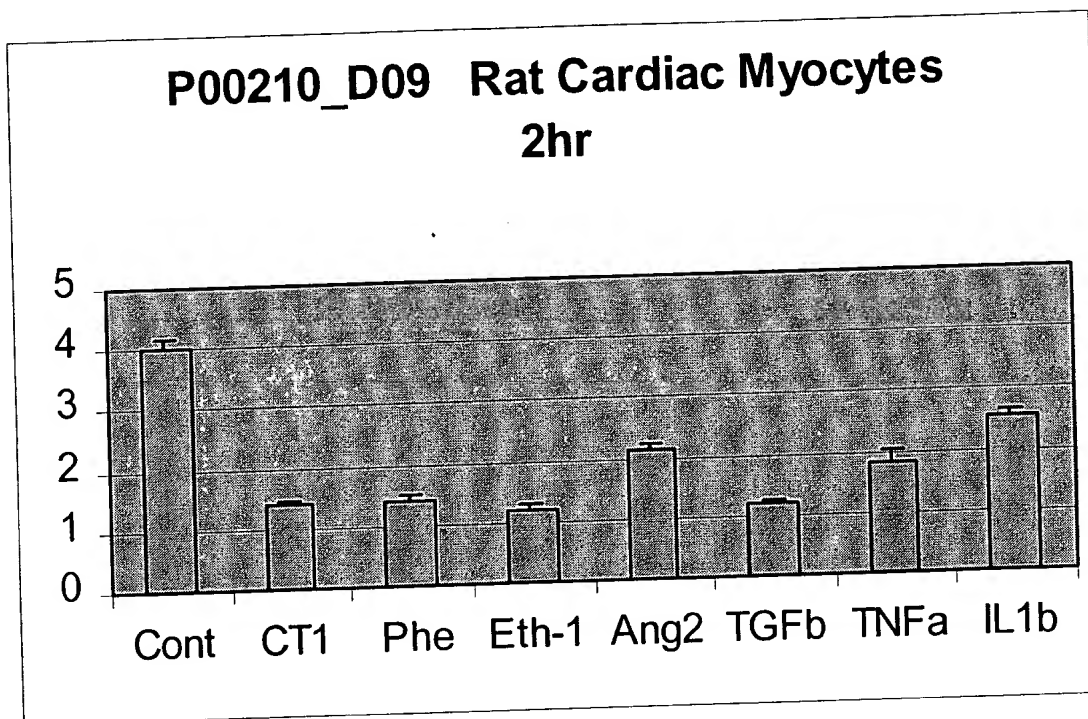
Fig. 3

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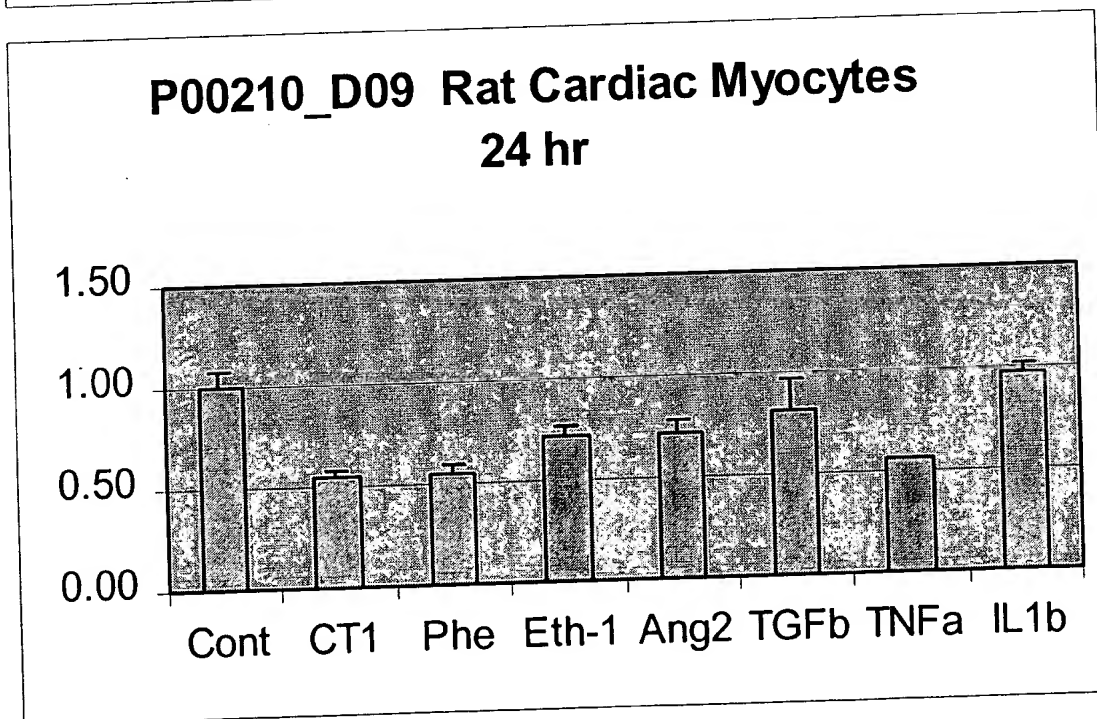
Fig. 4

Expression of P00210_D09 in treated rat cardiac myocytes

a.



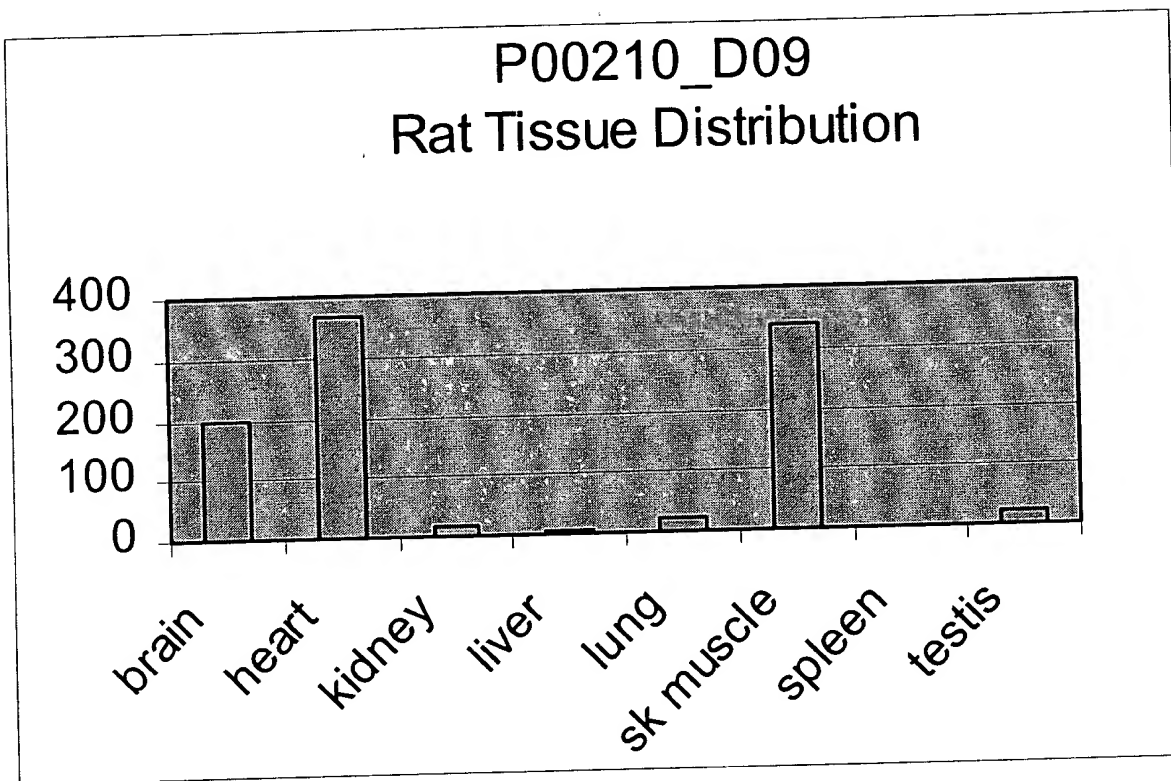
b.



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Fig. 5

Rat tissue distribution of P00210_D09 by
quantitative real-time PCR



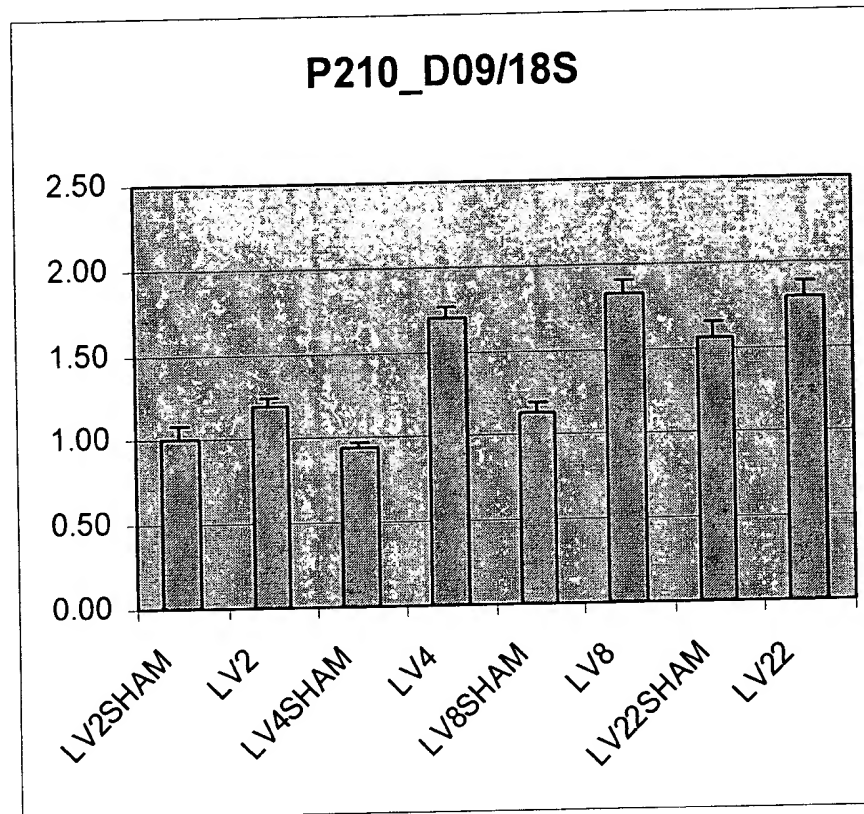
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Fig. 6

Expression profile of P00210_D09 by quantitative real-time PCR in the rat myocardial infarction model

A

LV



B

Spt

